

Title (en)
INDUSTRIAL ROBOT HAVING CABLE PROCESSING MEANS

Publication
EP 0299083 A4 19901212 (EN)

Application
EP 88901109 A 19880126

Priority
JP 1408687 A 19870126

Abstract (en)
[origin: EP0299083A1] An industrial robot (10) having a rotary base (26) on a cylindrical stationary robot body (14), and robot arms (60, 64) and a robot wrist (66) in a robot arm unit at the free end portion of the rotary base (26) is provided with a cable guide (30) along the outer side of the stationary robot body (14). The lower end portion of the cable guide (30) is pivotably connected to the stationary robot body (14) via a lower bearing member (42), and the upper end portion of the cable guide (30) to the rotary base (26) via an upper bearing member (40), in such a manner that the cable guide (30) can be turned. A robot cable (50), which has the starting point at the lower end of the stationary robot body (14), is retained by a cable holder portion (32) formed at the intermediate section of the cable guide (30), and the upper end of the robot cable (50) is guided to the robot arm unit through the rotary base (26).

IPC 1-7
B25J 19/00

IPC 8 full level
B25J 9/04 (2006.01); **B25J 9/06** (2006.01); **B25J 19/00** (2006.01); **H01R 35/04** (2006.01); **H02G 11/00** (2006.01)

CPC (source: EP KR US)
B25J 9/047 (2013.01 - EP US); **B25J 19/00** (2013.01 - KR); **B25J 19/0025** (2013.01 - EP US); **Y10S 414/131** (2013.01 - EP US); **Y10T 74/20311** (2015.01 - EP US)

Citation (search report)

- [AP] EP 0248911 A1 19871216 - FANUC LTD [JP]
- [AP] WO 8707450 A1 19871203 - FANUC LTD [JP]
- [A] US 4542858 A 19850924 - MANGES DAVID R [US]
- [A] GB 2134074 A 19840808 - MITSUBISHI ELECTRIC CORP
- See references of WO 8805368A1

Cited by
EP0900626A1; CN109855516A; EP1389707A3; EP0535604A1; US5279177A; US2011303042A1; EP1145808A3; US6253650B1; US9266244B2; US8757956B2; WO2011107143A1; WO9216332A1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0299083 A1 19890118; EP 0299083 A4 19901212; EP 0299083 B1 19930609; DE 3881590 D1 19930715; DE 3881590 T2 19931111; JP H0314597 B2 19910227; JP S63185596 A 19880801; KR 890700439 A 19890424; KR 930002624 B1 19930406; US 4969795 A 19901113; WO 8805368 A1 19880728

DOCDB simple family (application)
EP 88901109 A 19880126; DE 3881590 T 19880126; JP 1408687 A 19870126; JP 8800057 W 19880126; KR 880701161 A 19880924; US 24682288 A 19880909